



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)


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## The Eastern Iowa DX Bulletin

Number 197, November 24, 2023

**Craig Fastenow, KØCF, Editor**

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Articles will remain in *The Bulletin* while active, but with a 5-week maximum.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from the National Oceanic and Atmospheric

Administration's [Space Weather Prediction Center](#)

Contest data courtesy of the [WA7BNM Contest Calendar](#)



### Solar-Terrestrial Data

25 Nov 2023 1638 GMT  
 SFI: 178 SN: 178  
 A-Index: 7  
 K-Index: 4  
 X-Ray: C1.2  
 304A: 158.6 @ SEM  
 Ptn Flx: 1310  
 Elc Flx: 2010  
 Aurora: 8/n=1.99  
 Mag (Bz): -9.6  
 Solar Wind: 547.8  
 Geomag Field ACTIVE  
 Sig Noise Lvl S3-S4  
 Current Solar Image



<http://www.n0nbh.com>  
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Solar data courtesy of:  
[Solar Data Banners & Widgets](#)

## DX News

**3B8, MAURITIUS.** Once again team **3B8M** (<https://www.facebook.com/3B8Mauritius/>) will participate in the CQ WW DX CW Contest (**November 25th-26th**) (M/M category) from Mauritius (AF-049). QSL 3B8M via LoTW and [MØOXO's OQRS](#). This year's operating team includes 4O3A, GØCKV (3B8HA), G3XTT, KØAV, KX7M, MØSDV and WD6T. Before and after the contest they will be QRV on all bands CW, SSB, FT8. QSL **3B8/KØAV** via LoTW; QSL **3B8/MØSDV** via LoTW and [ClubLog's OQRS](#); QSL **3B8HA** via LoTW and [MØOXO's OQRS](#); QSL **3B8/KX7M** via F5CWU's OQRS (<https://www.f5cwu.net/oqrs/>).  
 -[425DXN # 1698 November 18, 2023] (1124-1201)

**3B9, RODRIGUES ISLAND.** Kazu, MØCFW will be QRV as **3B9/MØCFW** from **November 19th to December 1st**. Activity is on the HF bands. He will be active as **3B9KW** in the upcoming CQ WW DX CW Contest (November 25th-26th). QSL to [MØCFW](#).  
 -[ARRL DX Bulletin # 46 November 16, 2023] (1117-1201)

**3W, VIET NAM.** Jacek, SP5APW will be active as **3W9C** from Con Son Island (AS-130) from **November 30th to December 9th**. He is allowed to operate on five bands; he will use SSB and FT8 on 20, 17, 15 and 10m with wire antennas, and FT8 on 6 meters with a 3-element Yagi. "I am not a CW operator", he says. "However, if somebody hates FT8 and wants to try CW with me, I should be able to manage it as a sked when there is no pile-up". His license for 6m is limited to 53-54 MHz, so he plans to operate split: listening on 50.313 or 50.323 and transmitting on 53.313 or 53.323. I haven't tried yet to work FT8 with such a wide split, but this is the only option to try to work IARU Region 1. If it doesn't work, I will simply work 53.313 MHz for Regions 2 and 3, where the 6m band is wider".

-[425DXN # 1697 November 11, 2023] (1124-1215)

**3W, VIETNAM.** Alex, KU1CW, currently works near Pleiku and will be active as **3W9A** during the CQWW DX CW Contest (**November 25th-26th**). QSL via [KU1CW](#).

-[DXNL # 2378 November 1, 2023] (1124-1201)

**4L, GEORGIA.** Look for **4L8A** to be a Single Op/Single Band on 10 meters entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via [MØOXO](#).

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**4L, GEORGIA.** Mamuka, **4L2M** will be in the CQWW DX CW contest (**November 25th-26th**), single op single band 40 meters high power. QSL via [EA7FTR](#). Also, **4L5O**, will be single op single band 160 meters high power. QSL via [N3SL](#) or LoTW.

-[ARRL DX Bulletin # 45 November 9, 2023] (1124-1201)

**4S, SRI LANKA.** Peter, DCØKK is active again as **4S7KKG** from Sri Lanka (AS-003, grid MJ96xk) **until March 30, 2024**. He operates FT8, FT4, RTTY and possibly CW on 20-6 meters. QSL via LoTW, [ClubLog's OQRS](#), or direct to [DCØKK](#).

-[425DXN # 1697 November 11, 2023] (1110-1215)

**4W, TIMOR-LESTE.** A large group of operators will be QRV as **4W8X** from Dili from **November 6th to December 5th**. Activity will be on the HF bands using CW, SSB, RTTY, FT8, and FT4. This includes being entries in the upcoming WAEDC RTTY and CQ WW DX CW Contest (November 25th-26th). For more information see: <http://timor-leste-dx.de/>. QSL via [DJ4MX](#) or [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1208)

**5B, CYPRUS.** Jack, R2AA plans to be QRV as **P3AA** as a Single Op/All Band/High Power entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via via [RW3RN](#).

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**5B, CYPRUS.** Yuri, VE3DZ will be active as **5B4AQW** from Anogyra, Cyprus on **November 19th-28th**. He will participate in the CQ WW DX CW Contest (November 25th-26th) as **P3D**. QSLs via [VE3DZ](#).

-[425DXN # 1698 November 18, 2023] (1117-1201)

**5H, TANZANIA.** Ferdy, HB9DSP will be active again as **5H3FM** from Zanzibar Island (AF-032), Tanzania from **November 25th to December 9th**. He will operate SSB and FT8 on 20, 17, 15 and 10 meters. QSL via LoTW (preferred), or via [HB9DSP](#).

-[425DXN # 1695 October 28, 2023] (1124-1208)

**5H, TANZANIA.** VU2BGC remains on the air as **5H6PJ** **until the end of November** on 20m.

-[DXNL # 2381 November 22, 2023] (1124-1201)

**5H, TANZANIA.** Maurizio, IK2GZU will be active again as **5H3MB** from Tanzania from **November 8th to December 8th**, while doing volunteer work at the Ikelu Hospital and Ilembula Orphanage. In his spare time he will operate SSB, CW and digital modes on 80-

10 meters. QSL via [ClubLog's OQRS](#), LoTW and eQSL, or via [IK2GZU](#).

-[425DXN # 1690 September 23, 2023] (1103-1208)

**7O, YEMEN.** Dima, RA9USU has been active as **7O73T** from the Diksam Plateau on Socotra Island (AF-028) since November 10th and will remain there until **November 28th**. He operates mainly CW with some FT8 and will participate in the CQ WW DX CW Contest (November 25th-26th). QSL via [ClubLog's OQRS](#), or via [UA3DX](#).

-[425DXN # 1698 November 18, 2023] (1117-1201)

**7Q, MALAWI.** Don, K6ZO is QRV as **7Q6M** from Embangweni and is here for six months while on work assignment in a hospital. Activity is in his spare time on the HF bands and 6 meters using CW, SSB, FT8, and EME. He will be a Single Op/Single Band on 10 meters entry in the CQ WW DX CW Contest (November 25th-26th). QSL via LoTW.

-[ARRL DX Bulletin # 46 November 16, 2023] (1117-1222)

**8P, BARBADOS.** Bob, GU4YOX will enter the CQ WW DX CW Contest (**November 25th-26th**) as **8P9A** (SOSB 20 meters) from Barbados (NA-021). Before the contest he will be QRV as **8P9OX** to test his set up. QSL via LoTW, or via [GU4YOX](#).

-[425DXN # 1697 November 11, 2023] (1124-1201)

**8P, BARBADOS.** Tom, W2SC will be at **8P5A** for the CQWW DX CW contest (**November 25th-26th**). He will be single op all band high power. QSL via [HA1AG](#) or use LoTW.

-[ARRL DX Bulletin # 45 November 9, 2023] (1124-1201)

**9L, SIERRA LEONE.** Shabu, MØKRI has arrived in Sierra Leone, but two boxes containing all his radio gear have been left behind and will not arrive until **November 27th** at the earliest. Once he has received the equipment, he anticipates being active as **9L5M** until **December 5th**. Updates will be posted to <https://www.qrz.com/db/9L5M>.

-[425DXN # 1699 November 25, 2023] (1124-1208)

**9M6, EAST MALAYSIA.** Saty, JE1JKL will be active again as **9M6NA** from Labuan Island (OC- 133), East Malaysia for the CQ WW DX SSB Contest (**October 28th-29th**) (SOAB 15m) and the CQ WW DX CW Contest (**November 25th-26th**) (SOAB). QSL via LoTW and [ClubLog's OQRS](#).

-[425DXN # 1694 October 21, 2023] (1027-1201)

**9Y, TRINIDAD & TOBAGO.** Yuri, N2TTA will be QRV as **9Z4A** as a Single Op entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via [9Z4A](#).

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**A4, OMAN.** Special callsign **A43ND** marks the 53rd Omani National Day during **November**. QSL via [EC6DX](#), LoTW, eQSL, qrz.com.

-[DXNL # 2379 November 8, 2023] (1110-1201)

**A6, UNITED ARAB EMIRATES.** Special callsign **A6ØWRC** will be used by members of the Emirates Amateur Radio Society during the ITU World Radiocommunication Conference 2023 (WRC-23) taking place in Dubai from **November 20th to December 15th**. QSL via [EA7FTR](#). Individual operators may append a serial number to the special callsign, and be QRV as **A6ØWRC/Ø**, **A6ØWRC/1**, etc. (see qrz.com for the QSL routes).

-[425DXN # 1699 November 25, 2023] (1124-1215)

**A9, BAHRAIN.** Celebrating the Kingdom of Bahrain's National Day, the Bahrain Amateur Radio Society will be active as **A91ND** on **December 1st-16th**. QSL via [EC6DX](#).

-[425DXN # 1699 November 25, 2023] (1124-1222)

**BY, CHINA.** Look for station **BY1CW** to be a Multi Single/High Power entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via [BA1GA](#).

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**CE, CHILE.** Several Chilean stations will honor Marco A. Quijada (CE1EW), who died suddenly of a heart attack at the age of 50 on November 16th. The tribute to "thank him for his dedication and commitment" will take place during the period of **November 24th-27th**. Look for **CB1EW, CB2EW, CB3EW, CB4EW, CB5EW, CB6EW, CB7EW, CB8EW, XR1EW, XR2EW, XR3EW, XR4EW, XR5EW, XR6EW, XR7EW, XR8EW, 3G1EW, 3G2EW, 3G3EW, 3G4EW, 3G5EW, 3G6EW, 3G7EW and 3G8EW** to be active on the HF bands on various modes, including entries in the CQ WW DX CW Contest (November 25th-26th).

-[425DXN # 1699 November 25, 2023] (1124-1201)

**CEØY, EASTER ISLAND.** Jorge, **CEØYHF**, will be QRV from **November 18th to December 10th** while working at a hospital on Pascua Island, (SA-001). Activity is in his spare time on 30 to 6 meters using some CW and SSB, but mostly FT8. QSL direct to [CEØYHF](#).

-[ARRL DX Bulletin # 46 November 16, 2023] (1117-1208)

**CN, MOROCCO.** Yannick, F6FYD will be active as **CN2YD** from Marrakech, Morocco from **December 1st to March 15, 2024**. He plans to operate as CN2YD/p from IOTA group AF-065 sometime during his stay. QSL via [F6FYD](#).

-[425DXN # 1699 November 25, 2023] (1124-1229)

**CN, MOROCCO.** Stephan, DL1MOG, is currently active again as **CN2MOG** and will remain so **during November**, while exploring the Atlas mountains on a caravanning trip. QSL via [DL1MOG](#).

-[DXNL # 2378 November 1, 2023] (1103-1201)

**D4, CAPE VERDE.** Look for **D4C** to be a Multi/Multi entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via LoTW.

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**DU, PHILIPPINES.** Special event station **DU37EUDXF** is QRV **until November 30th** to celebrate 37 years of the European DX Foundation. QSL via operators' instructions.

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1201)

**DXCC TOP TWENTY.** Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of November 24, 2023:

1. P5	DPRK (North Korea)	11. 3Y/B	Bouvet Island
2. BS7H	Scarborough Reef	12. ZS8	Prince Edward & Marion Islands
3. CEØX	San Felix Islands	13. KH4	Midway Island
4. BV9P	Pratas Island	14. VKØM	Macquarie Island
5. KH7K	Kure Island	15. PYØS	Saint Peter And Paul Rocks
6. KH3	Johnston Island	16. PYØT	Trindade & Martim Vaz Islands
7. FT/G	Glorioso Island	17. KP5	Desecheo Island
8. 3Y/P	Peter 1 Island	18. VP8S	South Sandwich Islands
9. FT5/X	Kerguelen Island	19. KH5	Palmyra & Jarvis Islands
10. YVØ	Aves Island	20. ZL9	New Zealand Subantarctic Islands

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF November 24, 2023] (1124-1208)

**EI, IRELAND.** Special event callsign **EI8ØMB** will be active from **November 1st to May 31, 2024**, to commemorate the 80th anniversary since 168 German seamen were miraculously rescued from the waters of the Bay of Biscay after a battle between British and German naval forces (December 29, 1943). Carried out by the small Irish coaster "Kerlogue" (callsign EIMB), the rescue took more than ten hours. QSL via [ClubLog's OQRS](#) or via [EI6AL](#).

-[425DXN # 1695 October 28, 2023] (1027-1201)

**F, FRANCE.** Members of the Radio-club de Lyon (F8KLY) will be active as **TM1AB** from **November 25th to December 9th**. The special callsign commemorates the 100th anniversary of the first transatlantic amateur two-way contact between Leon Deloy, F8AB and Fred Schnell, 1MO (November 28, 1923).



-[425DXN # 1698 November 18, 2023] (1117-1208)

**F, FRANCE.** Michel, F8GGZ will be active as **TM1ØØLTB** from **November 25th to December 3rd**. The special callsign commemorates the 100th anniversary of the first transatlantic amateur two-way contact between Leon Deloy, F8AB and Fred Schnell, 1MO (November 28, 1923). QSL via the bureau.

-[425DXN # 1697 November 11, 2023] (1124-1208)

**F, FRANCE.** The Radio Club de Wingles (F4KLR) will be active as **TM125ED** from **November 4th to December 31st**. The special callsign commemorates the 125th anniversary since radio pioneer Eugene Ducretet gave a public demonstration of wireless communication between the Eiffel Tower and the Pantheon 4 km away (November 5, 1898). All CW and SSB QSOs will be confirmed automatically via the bureau and eQSL, FT8 QSOs will be confirmed via eQSL only; direct cards via [F4KLR](#).

-[425DXN # 1693 October 14, 2023] (1103-1208)

**F, FRANCE.** Once again, the Radio Club de Nice will be active as **TM8AB** to commemorate the anniversary of the first transatlantic amateur two-way contact between Leon Deloy, F8AB and Fred Schnell, 1MO (November 28, 1923). Look for activity on 80-10 meters SSB, CW, FT8 and SSTV during the **weekends between October 28th and December 10th**. QSL via [F4KJQ](#).

-[425DXN # 1691 September 30, 2023] (1027-1201)

**FG, GUADELOUPE.** Vaclav, OK6RA will be active holiday style as **FG/OK6RA** from Guadeloupe (NA-102) on **November 8th-27th**. He will operate CW, SSB and FT8 on 40-10 meters (maybe also on 6m), with main activity during the CQ WW DX CW Contest (November 25th-26th, SOSB 15m). QSL via [OK6RA](#) or [ClubLog's QQRS](#).

-[425DXN # 1696 November 4, 2023] (1103-1201)

**FJ, SAINT BARTHELEMY.** Operators [KC9SNM](#) and KB9DVC are QRV as **FJ/homecalls** **until November 29th**. They will be active as **TO9T** in the CQ WW DX CW Contest (November 25th-26th). QSL TO9T via [KB9DVC](#) and all others to home calls.

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**FJ, SAINT BARTHELEMY.** KB9DVB as **FJ/KB9DVB** will be active from St. Barthelemy (NA-146) on **November 22nd-29th**. He will operate CW and SSB (no FT8) and will participate as **TOØT** in the CQ WW DX CW Contest (November 25th-26th). QSL via [KB9DVC](#). (Edited/updated by KØCF on November 24.)

-[425DXN # 1697 November 11, 2023] (1117-1201)

**FJ, SAINT BARTHELEMY.** Phil, K2LIO is QRV as **FJ4WEB** **until December 31st**. Activity is holiday style on 40 to 10 meters. QSL to [K2LIO](#).

-[ARRL DX Bulletin # 44 November 2, 2023] (1103-1208)

**FK, NEW CALEDONIA.** Jean-Louis, F5NHJ is active again as **FK/F5NHJ** from New Caledonia's main island (Grande Terre, OC-032), with side trips to nearby Ile des Pins (also OC-032) **until mid-January 2024**. He operates digital modes, CW and SSB on 80-6m. He will upload his log to ClubLog and LoTW.

-[425DXN # 1699 November 25, 2023] (1124-1229)

**FS, SAINT MARTIN.** FS4WBS, K9NU, N9EP, W9AP, and K9EL operate as **TO9W** from Saint Martin from **November 26th to December 8th**. For more information see:

<http://www.k9el.com/TO9W/TO9W.htm>. QSL via [W9ILY](#), [ClubLog's QQRS](#), LoTW.

-[DXNL # 2381 November 22, 2023] (1124-1208)

**FS, SAINT MARTIN.** Gary, KC9EE signs **FS/KC9EE** during the upcoming CQWW DX CW Contest (**November 25th-26th**). QSL via [KC9EE](#).

-[DXNL # 2380 November 15, 2023] (1124-1201)

**FW, WALLIS & FUTUNA ISLANDS.** Jacky, ZL3CW will be active as **FW2CW** from FW1JG's QTH on Wallis Island (OC-054) on **November 20th-30th**. He will operate CW only with a focus on 30, 17 and 12 meters, and will also participate in the CQ WW DX CW Contest as FW5N. QSL via LoTW and [ClubLog's OQRS](#).  
-[425DXN # 1689 September 16, 2023] (1117-1201)

**G, ENGLAND.** Special callsigns **GB0WHO, GB1WHO, GB2WHO, GB4WHO, GB5WHO, GB6WHO, GB8WHO** and **GB9WHO** are for members of the Chertsey Radio Club to celebrate the 60th anniversary of science fiction cult series "Doctor Who" **until December 20th**. QSL via LoTW and eQSL. Broadcast by the BBC, "Doctor Who" has been listed in the Guinness Book of Records as the TV's longest-running sci-fi show in the world. The series began on November 23, 1963, and the original run aired 694 episodes consecutively across 26 seasons until 1989; it was revived in 2005 after 16 years off the screen.  
-[425DXN # 1699 November 25, 2023] (1124-1222)

**GM, SCOTLAND.** Keith, GM4YXI and Chris, GM3WOJ will participate in the CQ WW DX CW Contest (**November 25th-26th**) as **GS7V** from the Shetland Islands (EU-012). Before and after the contest they will be QRV as GS2MP. QSL for both callsigns via LoTW or [N3SL](#).  
-[425DXN # 1698 November 18, 2023] (1124-1201)

**H4, SOLOMON IS.** WA7CPA, N7QT, N7JP, N9ADG, NU7J, and KC7EFP are currently active as **H44WA** from Guadalcanal (OC-047) **until November 29th**. QSL via [M0URX](#). Bureau cards will not be provided, and there will be "no full log LoTW upload". More information and detailed QSL policy can be found on <https://www.h44wa.com/>.  
-[DXNL # 2380 November 15, 2023] (1117-1201)

**HA, HUNGARY.** Sanyi, HA7VK will be QRV as **HG23TISZA** as a Single Op/All Band/High Power entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL to [HA7VK](#).  
-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**HB9, SWITZERLAND.** Special callsign **HB8DELOY** is the for members of the Swiss Air Force Museum's Radio Club (HB4FR) to commemorate the 100th anniversary of the first transatlantic amateur two-way contact between Leon Deloy, F8AB and Fred Schnell, 1MO (November 28, 1923). Look for activity from **November 1st to December 31st**. QSL via [HB9ACA](#) (bureau preferred).  
-[425DXN # 1696 November 4, 2023] (1103-1208)

**HB0, LIECHTENSTEIN.** HB9RB will be in the CQWW DX CW contest (November 25th-26th) as **HB0/HB9RB**, single op classic. He will be QRV from **November 24th to 29th**, on 160 to 10 meters using CW and FT8, before and after the contest.  
-[ARRL DX Bulletin # 45 November 9, 2023] (1124-1201)

**HR, HONDURAS.** Team **HQ9X** (K1XM, KQ1F, N9NC, NG7A and W1UE) will be active from Roatan Island (NA-057) from **November 20th to December 4th**, including entries in the CQ WW DX CW Contest (November 25th-26th), the ARRL 160-Meter Contest (first night only), and the FT Roundup (complete information can be found on <https://www.rttycontesting.com/ft-roundup/>). QSL via [KQ1F](#).  
-[425DXN # 1698 November 18, 2023] (1117-1208)

**HR, HONDURAS.** Gerard, F2JD will be active again as **HR5/F2JD** from Copan, Honduras from **November 25th to March 21st, 2024**. He will operate CW, SSB and FT8/ FT4 on the HF bands. QSL via [F6AJA](#); log search on <http://LesNouvellesDX.fr/voirlogs.php>.  
-[425DXN # 1695 October 28, 2023] (1124-1229)

**HR, HONDURAS.** K1XM, KQ1F, W1UE, N9NC, and NG7A are currently active as **HQ9X**. They will stay **until December 4th**, covering participation in the CQ WW DX CW Contest (November 25th-26th) and the ARRL 160m Contest. QSL via [KQ1F](#).  
-[DXNL # 2381 November 22, 2023] (1124-1208)

**HR, HONDURAS.** Alex, K6VHF will be QRV as **HR9/K6VHF**, from **November 22nd to 28th**, on 40 to 6 meters using FT8, FT4, SSB and CW.

-[ARRL DX Bulletin # 45 November 9, 2023] (1117-1201)

**HR, HONDURAS.** Max, N5NHJ (I8NHJ) will be active as **HQ9CW** from Roatan Island (NA-057, EK66rh) on **November 22nd-29th**. He will operate CW only on 20-6m and will participate in the CQ WW DX CW Contest (November 25th-26th), SOSB on 15 or 10m, low power. QSL via LoTW, or direct to [N5NHJ](#).

-[425DXN # 1695 October 28, 2023] (1117-1201)

**HS, THAILAND.** A group of operators will be QRV as **E2A** as a Multi Single/High Power entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via [E21EIC](#).

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**I, ITALY.** Alessandro, IZ4WNA will be active as **IZ4WNA/IA5** from Elba Island (EU-028) on **November 28th-30th**. He will operate SSB and FT8 on 80-10m.

-[425DXN # 1699 November 25, 2023] (1124-1201)

**I, ITALY.** Members of ARI Bergamo will be active as **II2GLNO** on **December 1st-2nd**.

They will operate SSB and CW on 80, 40 and 20 meters. The special callsign memorializes the 100th anniversary of the Gleno Dam disaster (December 1, 1923), when the middle section of the dam collapsed and caused widespread flooding that killed some 400 people. QSL via [IQ2BG](#).

-[425DXN # 1699 November 25, 2023] (1201-1208)

**JD1/O, OGASAWARA.** Nan, JH1HST will be active as **JH1HST/JD1** from Chichijima (AS-031), Ogasawara on **November 26th-29th**. He will operate mainly FT8 with some SSB and/or CW on 80-6 meters. QSL via LoTW (preferred), eQSL, or via [JH1HST](#).

-[425DXN # 1698 November 18, 2023] (1124-1201)

**JW, SPITSBERGEN.** Peter, LA7QIA, operates as **JW7QIA** from **November 23rd to 28th**. QSL via [LA7QIA](#).

-[DXNL # 2381 November 22, 2023] (1124-1201)

**KH6, HAWAII.** Jim, N6TJ will be QRV for CQWW DX CW contest (November 25th-26th) from the **KH7M** station on Hawaii's Big Island. He will be single operator all bands. QSL via [KH6ZM](#).

-[ARRL DX Bulletin # 45 November 9, 2023] (1124-1201)

**KH8/S, SWAINS I.** Special event callsign **K8R** is another RIB (Rig In a Box) operation that will take place from Swains Island on **November 22nd-27th**, including an entry in the CQ WW DX CW Contest (November 25th-26th). "Because it is not possible to anchor the boat at Swains", AA7JV says, "the station will be entirely remotely operated by HA7RY and HA2NA", while the two on the "Magnet" (KN4EEI and AA7JV himself) "will be busy the entire time keeping the boat on station near the island". Outside the contest K8R will concentrate on 160 meters at local sunset and sunrise. QSL via [HA7RY](#) and LoTW. Please note that the same callsign was used by HA7RY and HA5YG from mainland American Samoa on September 14-18.

-[425DXN # 1699 November 25, 2023] (1124-1201)

**OE, AUSTRIA.** Watch for **OE1ØØXBB** operating in the celebration of the 100th anniversary of Austria's federal railway system **until December 15th**. QSL via bureau.

-[DXNL # 2380 November 15, 2023] (1117-1215)

**OX, GREENLAND.** Dave OX5DM (OZ5DM), Mikkel OX7AKT (OZ7AKT), Alex OX7AM (OZ7AM), and Bob OX3LX (OZ1DJJ) are going to join the CQ WW DX CW Contest (**November 25th-26th**) together as **OX7A**. QRV also before and after from November 21st to 28th. QSL for OX3LX via [OZØ1](#), all others via [OZ1ACB](#).

-[DXNL # 2381 November 22, 2023] (1124-1201)

**P4, ARUBA.** John, W2GD will be QRV as **P44W** from Santa Cruz from **November 21st to 28th**. Activity will be mainly on 30, 17, and 12 meters using CW. He will be a Single Op/All Band/High Power/Assisted entry in the upcoming CQ WW DX CW Contest (November 25th-26th). QSL via [N2MM](#) or LoTW.

-[ARRL DX Bulletin # 46 November 16, 2023] (1117-1201)

**PA, NETHERLANDS.** Celebrating Christmas and the New Year, special callsigns **PA23XMAS** and **PD23SANTA** will be active on **December 1st-31st**, while **PD24HNY** will be QRV **until January 31st**. QSL cards will not be issued, but a certificate will be available (see <https://www.qrz.com/db/PA23XMAS>).

-[425DXN # 1699 November 25, 2023] (1124-1229)

**PA, NETHERLANDS.** Special callsign **PF23MAX** celebrates Max Verstappen's Formula 1 World Championship 2023 title **during November**. QRV on HF and via QO-100. QSL via [PF23MAX](#).

-[DXNL # 2379 November 8, 2023] (1110-1201)

**PA, NETHERLANDS.** Dutch members of the European DX Foundation will operate special callsigns **PA37EUDXF**, **PB37EUDXF**, **PC37EUDXF**, **PD37EUDXF**, **PE37EUDXF**, **PF37EUDXF**, **PG37EUDXF**, **PH37EUDXF** and **PI37EUDXF** from **November 1st to 30th** to celebrate the EUDXF's 37th anniversary. QSL PH37EUDXF via [PA2TMS](#); QSL other callsigns via LoTW, [ClubLog's OQRS](#) (preferred), or via [PA1AW](#).

-[425DXN # 1693 October 14, 2023] (1027-1201)

**PJ2, CURACAO.** Contest station **PJ2T** will be a multi-multi operation in the CQWW DX CW contest (**November 25th-26th**). The operator list includes W0CG, K8ND, W5MJ, NA2U, W8WTS, N7IR, VA7DX, VE7KW and WI9WI. QSL direct to [KU9C](#).

-[ARRL DX Bulletin # 45 November 9, 2023] (1124-1201)

**PJ4, BONAIRE.** Look for **PJ4/K4BAI**, **PJ4/KU8E** and **PJ4/N8VW** to be active from Bonaire (SA-006) on **November 21st-28th**. They will participate in the CQ WW DX CW Contest (November 25th-26th) as **PJ4A**. QSL PJ4/K4BAI, PJ4/KU8E and PJ4A via [K4BAI](#).

-[425DXN # 1697 November 11, 2023] (1117-1201)

**PJ7, SINT MAARTEN.** Chris, N0UK expects to be QRV for the CQWW DX CW contest (**November 25th-26th**) as **PJ7/G4JEC**.

-[ARRL DX Bulletin # 45 November 9, 2023] (1124-1201)

**PJ7, SINT MAARTEN.** Gary, KC9EE will be active again as **PJ7EE** from Sint Maarten (NA-105) on **November 20th-29th**, including an entry in the CQ WW DX CW Contest (November 25th-26th). QSL via LoTW, [ClubLog's OQRS](#), or direct to [KC9EE](#).

-[425DXN # 1697 November 11, 2023] (1117-1201)

**PJ7, SINT MAARTEN.** After the CQ WW DX SSB Contest, Ed, N2HX will move from St. Kitts to Sint Maarten (NA-105). He will be QRV as **PJ7PL**, including entries in the CQ WW DX CW Contest (November 25th-26th) and the ARRL 10- Meter Contest (December 9th-10th). QSL via [N2HX](#).

-[425DXN # 1694 October 21, 2023] (1103-1215)

**PY, BRAZIL.** N6TJ will be active as **PT5J** during the CQ WW DX CW Contest (**November 25th-26th**). QSL via [PP5JR](#).

-[DXNL # 2381 November 22, 2023] (1124-1201)

**S7, SEYCHELLES.** Operators G4IKRN, G3WPH, G4IRN and G4PVM will be QRV as **S79/home calls beginning November 21st**. This includes being an entry in the upcoming CQ WW DX CW Contest (November 25th-26th) with a yet to be determined call sign. QSL



via operators' instructions.

-[ARRL DX Bulletin # 46 November 16, 2023] (1117-1208)

**SP, POLAND.** Special callsign **SN15AXI** honors the memory of Janek Bonikowski, SP3AXI, a scout leader and amateur radio Elmer, who died in 2008. QRV **until the end of January 2024**. QSL via bureau or eQSL.

-[DXNL # 2379 November 8, 2023] (1110-1215)

**SV, GREECE.** Special callsign **SX25GTC** will be in use on **December 1st-15th** to celebrate the 25th anniversary since the formation of the Greek Telegraphy Club (<https://raag.org/gtc-club-en/>). Look for activity on 160-6 meters CW. QSL via LoTW. Certificates will be available, see qrz.com for information.

-[425DXN # 1699 November 25, 2023] (1124-1215)

**TI, COSTA RICA.** Pete, VE3IKV plans to be QRV as **TI5/VA3RA** in the CQ WW DX CW Contest (**November 25th-26th**) as a Single Op/Low Power/Single Band on 10 meters entry. QSL direct to [VE3IKV](#).

-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**TK, CORSICA.** Look for **TK4W** to be active during the CQ WW DX CW Contest (**November 25th-26th**), staffed by DJ2MX, DJ4MX, DK2CX, DK6SP, F5SNJ, and HA8RT. They are also testing their gear for an upcoming DXpedition to Guyana (8R) in 2024. QSL via [DJ4MX](#), OQRS, LoTW.

-[DXNL # 2381 November 22, 2023] (1124-1201)

**UA, EUROPEAN RUSSIA.** Special callsigns **R2Ø23DX** and **UE33DX** will be active on **November 17th-30th** to celebrate the 33rd anniversary of the Miller DX Club. QSLs via [RQ7L](#).

-[425DXN # 1697 November 11, 2023] (1117-1201)

**V2, ANTIGUA & BARBUDA.** Bud, AA3B will be QRV as **V26K** from Antigua from **November 19th to 27th**. Activity is on the HF bands using CW. He will be a Single Op/All Band/Low Power entry in the upcoming CQ WW DX CW Contest (November 25th-26th). QSL direct to [AA3B](#).

-[ARRL DX Bulletin # 46 November 16, 2023] (1117-1201)

**V4, ST. KITTS & NEVIS.** Bob, WX4G (V47RB and V48A) has **canceled** his **November 20th - December 1st** trip to St. Kitts. Now he expects to go there on February 13-20, 2024.

-[425DXN # 1699 November 25, 2023] (1124-1201)

**V5, NAMIBIA.** Gunter, DK2WH will be active again as **V51WH (V55Y)** in contests from Namibia starting on **November 16th through April 2024**. He operates SSB, CW and FT8 on 160-10 meters. QSL via [DK2WH](#); he does not use LoTW.

-[425DXN # 1697 November 11, 2023] (1117-1215)

**V6, MICRONESIA.** After spending nine full days on Satawal Atoll (V62S), Cezar VE3LYC commenced operations as **V62P** from Puluwat Atoll (OC-155) just before 0600 UTC on November 24th. As of November 21st, the situation appeared rather uncertain: "I have specifically requested a minimum of four operating days from Puluwat but will see what happens in the end. Please refrain from making multiple contacts with V62P, so that more hams can have a chance at logging the rare OC-155. All this change of schedule has a pretty negative effect on me, amplified by the fact that I didn't feel well for the past couple of days". As an added inconvenience, Cezar's laptop failed a few days ago, and now he is logging manually on paper.

-[425DXN # 1699 November 25, 2023] (1124-1215)

**V6, MICRONESIA.** DF4GV, DK2AMM, DL2AMD and DL2AWG will be active as **V6EU** from Chuuk Island (OC-011), Micronesia on **November 15th-28th**. They will operate SSB, CW,

RTTY and FT8 on 160-10 meters. QSL via [DL2AWG](#), [ClubLog's OQRS](#) and LoTW.  
-[425DXN # 1679 July 8, 2023] (1110-1201)

**VK9C, COCOS (KEELING) IS.** Yuris, YL2GM and Eugene, EA5EL will be active as **VK9CY** from the Cocos (Keeling) Islands (OC-003) from **November 29th to December 7th**. They will operate CW, SSB and FT8 on 160-6 meters with two stations. QSLs via [ClubLog's OQRS](#) (direct and bureau), or direct to [YL2GN](#). See [https://www.lral.lv/vk9xy\\_vk9cy/index.html](https://www.lral.lv/vk9xy_vk9cy/index.html) for information.  
-[425DXN # 1697 November 11, 2023] (1124-1208)

**VK9X, CHRISTMAS ISLAND.** Chris, GM3WOJ and Keith, GM4YXI will be active as **VK9XGM** from Christmas Island (OC-002) from **November 21st to December 5th**, including a M/2 entry in the CQ WW DX CW Contest (November 25th-26th). They will operate SSB, CW and FT8/FT4 on 160-10 meters with two stations. QSL via LoTW, or [N3SL](#); log search on ClubLog. See <https://www.vk9xgm.com/> for more information.  
-[425DXN # 1687 September 2, 2023] (1117-1208)

**VK9X, CHRISTMAS ISLAND.** Yuris, YL2GM and Eugene, EA5EL will be active as **VK9XY** from Christmas Island (OC-002) on **November 14th-27th**. They will operate CW, SSB and FT8 on 160-6 meters with two stations. QSLs via [ClubLog's OQRS](#) (direct and bureau), or direct to [YL2GN](#). See [https://www.lral.lv/vk9xy\\_vk9cy/index.html](https://www.lral.lv/vk9xy_vk9cy/index.html) for information.  
-[425DXN # 1697 November 11, 2023] (1110-1201)

**VP9, BERMUDA.** Darrell, AB2E will be active as **AB2E/VP9** from VP9GE's rent-a-shack on **November 23rd-27th**. Main activity will be as **VP9GE** during the CQ WW DX CW Contest (November 25th-26th); outside the contest he will operate mostly CW and some FT8 on 30, 17 and 12 meters, as well as on the low bands. QSL via LoTW, or direct to [AB2E](#).  
-[425DXN # 1697 November 11, 2023] (1117-1201)

**VU, INDIA.** Datta, VU2DSI will be active once again as **AU2JCB** from **November 23rd to December 11th** to commemorate the birthdate (November 30, 1858) of Indian physicist and radio pioneer Jagadish Chandra Bose. He will operate SSB on 80, 40, 20, 15 and 10 meters, and FM on 50800, 51500 and 29700 KHz. QSL direct to [VU2DSI](#). Also QRV are expected to be **AU3JCB** (operated by VU2EVU) and **AU5JCB** (operated by VU2XPN).  
-[425DXN # 1697 November 11, 2023] (1117-1215)

**XU, CAMBODIA.** Thomas, DL7BO, will be back on the air from Cambodia as **XU7GNY** until **November 26th**, including the CQWW DX CW Contest (November 25th-26th). QRV on 80-6m. QSL via [DJ6TF](#), OQRS, LoTW, eQSL.  
-[DXNL # 2380 November 15, 2023] (1117-1201)

**XW, LAOS.** Patrick F2DX, Vincent F4BKV, Diego F4HAU, Pascal F5PTM, and Julien F8AVK will be active as **XW4DX** from Laos on **November 16th to 27th**. Plans are to operate SSB, CW and digital modes with up to five stations. Their license is only valid for 160, 40, 20, 17, 15, 12 and 10 meters. QSL via [ClubLog's OQRS](#) and LoTW, or direct to [F4BKV](#). See <https://xw4dx.f4bkv.net/> for more information and updates.  
-[425DXN # 1688 September 9, 2023] (1110-1201)

**ZF, CAYMAN ISLANDS.** Stan, K5GO will be QRV as **ZF9CW** until **February 15th, 2024**, on the HF bands, using mostly CW, with some SSB. QSL direct to [K5GO](#).  
-[ARRL DX Bulletin # 45 November 9, 2023] (1110-1215)

**ZL7, CHATHAM IS.** Holger, **ZL7IO** is QRV from Waitangi and plans to be QRV as a Single Op/All Band/Low Power entry in the CQ WW DX CW Contest (**November 25th-26th**). QSL via [DK7AO](#).  
-[ARRL DX Bulletin # 47 November 22, 2023] (1124-1201)

**CQ WW DX CW CONTEST**, November 25th-26th. (See the contest rules at <https://www.cqww.com/rules.htm>) The following stations have announced their

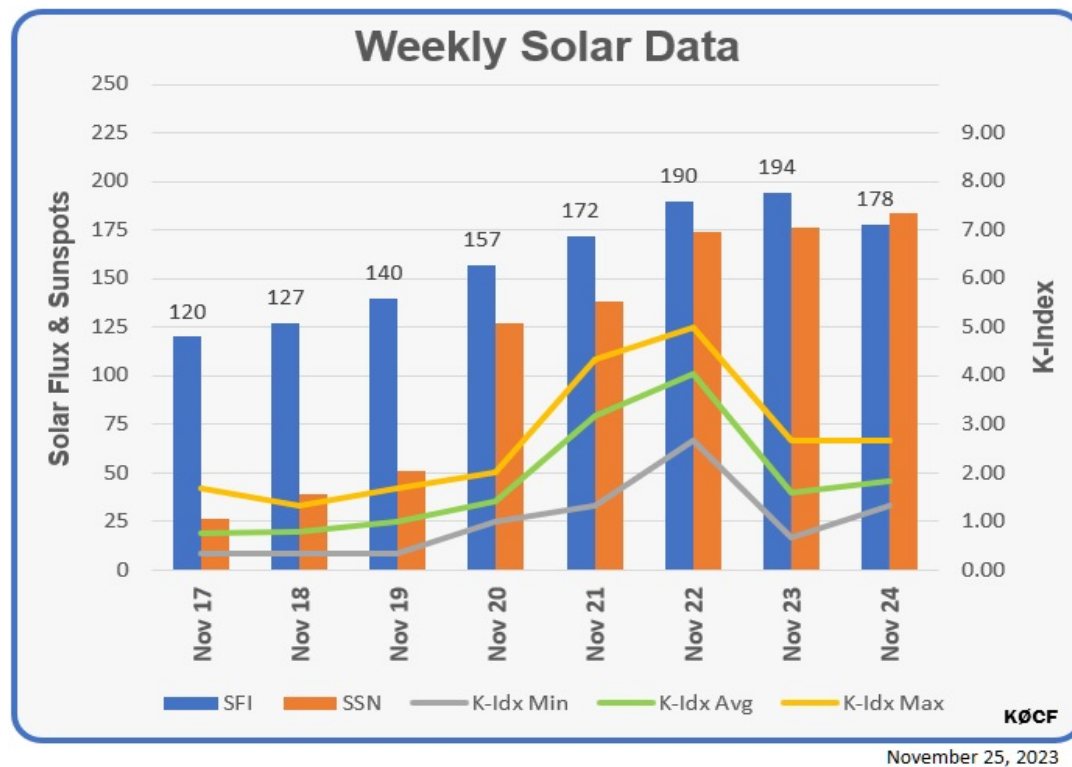
participation in this year's event:

ZONE	CALL	CATEGORY	COUNTRY	QSL VIA
05	AB2E/VP9	S0	Bermuda	LoTW
07	H02T	M/2	Panama	LoTW/KU9C
07	HQ9X	M/2	Honduras	KQ1F
07	TI5/VA3RA	S0SB 10m LP	Costa Rica	VE3IKV
07	TI7W	S0AB HP	Costa Rica	M0URX
08	8P5A	S0AB HP	Barbados	LoTW/HA1AG
08	8P9A	S0SB 20m	Barbados	LoTW/GU4Y0X
08	C6AQO	S0AB LP	Bahamas	LoTW
08	FG/OK6RA	S0SB 15m	Guadeloupe	OK6RA
08	FS/K0CD	S0 QRP	St Martin	K0CD
08	KP2B	S0SB 10m HP	Virgin Is	EB7DX
08	NP4Z	S0 HP	Puerto Rico	N4A0
08	PJ7EE	S0	Sint Maarten	LoTW/KC9EE
08	PJ7PL	S0 LP	Sint Maarten	N2HX
08	T00T	M/?	St Barthelemy	KB9DVC
08	T07A	S0AB	Martinique	UT5UGR
08	T09W	M/?	St Martin	LoTW/W9ILY
08	V26K	S0AB LP	Antigua & Barbuda	LoTW/AA3B
08	V47T	S0AB HP	St Kitts & Nevis	LoTW/W2RQ
08	VP5M	S0	Turks & Caicos	LoTW/K4QPL
08	ZF1A	S0AB HP	Cayman Is	LoTW
09	9Z4A	S0	Trinidad & Tobago	LoTW
09	P40L	M/S	Aruba	WA3FRP
09	P44W	S0AB HP	Aruba	LoTW
09	PJ2T	M/M	Curacao	LoTW/KU9C
09	PJ4A	M/S	Bonaire	LoTW/K4BAI
09	PJ4K	M/2	Bonaire	KU9C
09	PZ5MA	S0	Suriname	LY5W
09	T01A	S0SB 10m LP	French Guiana	LoTW
10	0A4EA	S0SB 10m	Peru	LoTW
11	PT5J	S0SB 10m	Brazil	PP5JR
13	CW5W	S0SB 10m	Uruguay	LoTW/CX6VM
14	C37N	M/2	Andorra	LoTW/C37URA
14	GJ0KYZ	S0AB HP	Jersey	LoTW
14	GS7V	M/2	Shetland Is	LoTW/N3SL
14	GU4CHY	S0SB 10m HP	Guernsey	GU4CHY
14	HB0/HB9RB	S0	Liechtenstein	
14	LN8W	M/M	Norway	LA6YEA
14	MD4K	S0AB	Isle of Man	G3NKC
14	MM2N	M/? HP	Scotland	LoTW
14	OZ5W	M/2	Denmark	LoTW
14	SJ2W	M/S	Sweden	LoTW
15	IR0A	S0SB 80m	Sardinia	OM2FY
15	OH0X	M/?	Aland Is	LoTW/OH2TA
15	OH5Z	M/S	Finland	LoTW
15	TK4W	M/2	Corsica	LoTW/DJ4MX
20	4X7M	S0	Israel	eQSL
20	P3AA	S0AB HP	Cyprus	RW3RN
20	P3D	S0AB	Cyprus	VE3DZ
21	4L0G	S0SB 80m	Georgia	EA7FTR
21	4L2M	S0SB 40m HP	Georgia	EA7FTR
21	4L50	S0SB 160m HP	Georgia	LoTW/N3SL
21	4L8A	S0SB 10m	Georgia	LoTW/M0OX0
21	4L9M	S0AB LP	Georgia	LoTW
24	BY1CW	M/S HP	China	BA1GA
26	E2A	M/S HP	Thailand	LoTW/E21EIC
27	AH2R	M/S	Guam	LoTW
27	KH0W	S0 HP	Mariana Is	KC0W
28	4W8X	M/M	Timor Leste	DJ4MX
28	7A2A	M/?	Indonesia	LoTW
28	9M6NA	S0AB	East Malaysia	LoTW
29	VK6T	S0	Australia	EA7FTR
29	VL6K	S0SB 80m	Australia	LoTW/VK6WX
31	KH7M	S0AB	Hawaii	KH6ZM

32	FW5N	S0	Willis & Futuna	LoTW
32	K8R	M/S	Swains Island	LoTW/HA7RY
32	ZL7IO	SOAB LP	Chatham Is	LoTW/DK7A0
33	CR3A	M/2	Madeira	0M2VL
33	EA8/HA5PP	SOAB	Canary Is	HA5PP
33	IH9YMC	S0SB 160m LP	AF Italy	LoTW
35	D4C	M/M	Cape Verde	LoTW
37	7073T	S0	Yemen	UA3DX
37	7Q6M	S0SB 10m	Malawi	LoTW/K6Z0
39	3B8M	M/M	Mauritius	LoTW/M00X0
39	3B9KW	SOAB HP	Rodrigues	LoTW
39	S77HQ	M/?	Seychelles	S79JKN
40	JW7QIA	S0	Svalbard	LoTW
40	0X7AM	SOAB	Greenland	LoTW/OZ1ACB
40	TF/0U2I	SOAB LP	Iceland	0Z2I

Do not forget to look at the Announced Operations listing maintained by Bill, NG3K at <https://www.ng3k.com/Misc/cqc2023.html>  
 -[425DXN # 1699 November 25, 2023] (1124-1201)

## Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (K-Idx) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

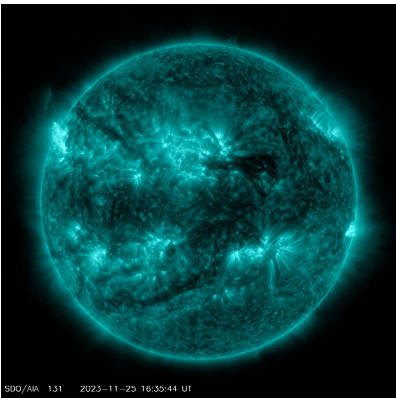
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.



NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



**Propagation Summary**

For the 8 day period from Friday, November 17th through yesterday, November 24th.

The average solar flux was up 38 points from the previous week, with a weekly high of 194 on Thursday, November 23rd, following a low of 120 on November 17th.

The average sunspot count was up 66 for the week, peaking at 184 on Friday, November 24th after a weekly low of 26 on November 17th.

The Planetary K-index weekly average was 2.7 with a maximum of 5.0 on Wednesday, November 22nd, resulting in minor geomagnetic storm conditions.

Solar flare activity since November 17th has been moderate with 7 major flares, the largest of which was an M 1.4 event on Thursday, November 23rd.

**Propagation Data**

Major solar flares, Friday, November 17th through 1540 UTC, November 25th.

#	Date	UTC	Mag.
1	Nov 24	0933	M 1.1
2	Nov 23	1437	M 1.0
3	Nov 23	0338	M 1.4
4	Nov 20	0903	M 1.2
5	Nov 18	2234	M 1.0
6	Nov 18	1644	M 1.1
7	Nov 18	0542	M 1.2

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Nov 25	60%	10%	175
Nov 26	60%	10%	175
Nov 27	60%	10%	175

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA only once a week, on Monday.

Date	Flux	Kp
Nov 25	145	3
Nov 26	145	2
Nov 27	148	3
Nov 28	152	3

Date	Flux	Kp
Nov 29	152	2
Nov 30	155	2
Dec 1	155	2
Dec 2	152	2

Date	Flux	Kp
Dec 3	150	2
Dec 4	148	3
Dec 5	145	5
Dec 6	140	4

## Highs for Cycle 25

Solar Flux: 234 on January 15, 2023.

Sunspots: 227 on July 11, 2023.

## Favorite Propagation web sites

Excellent Maximum Usable Frequency map: <https://prop.kc2g.com/>

<https://www.spaceweather.com/>

<https://www.solarham.net/>

<https://dx.qsl.net/propagation/>

## A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

## Contest Calendar

Contest	Start		End		Web Site
CQ Worldwide DX Contest, CW	Nov 25	0000Z	Nov 26	2400Z	<a href="#">Rules</a>
ARRL 160-Meter Contest	Dec 1	2200Z	Dec 3	1600Z	<a href="#">Rules</a>

ARRL 10-Meter Contest	Dec 9	0000Z	Dec 10	2359Z	<a href="#">Rules</a>
OK DX RTTY Contest	Dec 16	0000Z	Dec 16	2400Z	<a href="#">Rules</a>
Croatian CW Contest	Dec 16	1400Z	Dec 17	1400Z	<a href="#">Rules</a>
ARRL Rookie Roundup, CW	Dec 17	1800Z	Dec 17	2359Z	<a href="#">Rules</a>
RAC Winter Contest	Dec 30	0000Z	Dec 30	2359Z	<a href="#">Rules</a>
Stew Perry Topband Challenge	Dec 30	1500Z	Dec 31	1500Z	<a href="#">Rules</a>
ARRL RTTY Roundup	Jan 6	1800Z	Jan 7	2400Z	<a href="#">Rules</a>
ARRL Kids Day	Jan 6	1800Z	Jan 6	2359Z	<a href="#">Rules</a>
YB DX Contest	Jan 13	0000Z	Jan 13	2359Z	<a href="#">Rules</a>
North American QSO Party, CW	Jan 13	1800Z	Jan 14	0600Z	<a href="#">Rules</a>
Hungarian DX Contest	Jan 20	1200Z	Jan 21	1200Z	<a href="#">Rules</a>
North American QSO Party, SSB	Jan 20	1800Z	Jan 21	0600Z	<a href="#">Rules</a>
ARRL January VHF Contest	Jan 20	1900Z	Jan 22	0359Z	<a href="#">Rules</a>
CQ 160-Meter Contest, CW	Jan 26	2200Z	Jan 28	2159Z	<a href="#">Rules</a>
BARTG RTTY Sprint	Jan 27	1200Z	Jan 28	1200Z	<a href="#">Rules</a>
Winter Field Day	Jan 27	1700Z	Jan 28	1700Z	<a href="#">Rules</a>
Vermont QSO Party	Feb 3	0000Z	Feb 4	2400Z	<a href="#">Rules</a>
10-10 Int. Winter Contest, SSB	Feb 3	0001Z	Feb 4	2359Z	<a href="#">Rules</a>
Mexico RTTY International Contest	Feb 3	1200Z	Feb 4	2359Z	<a href="#">Rules</a>
Minnesota QSO Party	Feb 3	1400Z	Feb 3	2400Z	<a href="#">Rules</a>
British Columbia QSO Party	Feb 3	1600Z	Feb 4	2400Z	<a href="#">Rules</a>
North American Sprint, CW	Feb 4	0000Z	Feb 4	0359Z	<a href="#">Rules</a>
CQ WW RTTY WPX Contest	Feb 10	0000Z	Feb 11	2400Z	<a href="#">Rules</a>
ARRL School Club Roundup	Feb 12	1300Z	Feb 16	2359Z	<a href="#">Rules</a>
ARRL Inter. DX Contest, CW	Feb 17	0000Z	Feb 18	2400Z	<a href="#">Rules</a>
CQ 160-Meter Contest, SSB	Feb 23	2200Z	Feb 25	2159Z	<a href="#">Rules</a>
North American QSO Party, RTTY	Feb 24	1800Z	Feb 25	0600Z	<a href="#">Rules</a>
North Carolina QSO Party	Feb 25	1500Z	Feb 26	0100Z	<a href="#">Rules</a>
ARRL Inter. DX Contest, SSB	Mar 2	0000Z	Mar 3	2400Z	<a href="#">Rules</a>
Open Ukraine RTTY Championship	Mar 2	1800Z	Mar 3	1359Z	<a href="#">Rules</a>

-[Contest data courtesy of the [WA7BNM Contest Calendar](#) ]